File 350:Derwent World . c. 1963-1980/UD=9708
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Set	Items	Description

?e an=78jp-111456

Ref	Items	Index-term
E1	1	AN=78JP-111444
E2	1	AN=78JP-111455
E3	1	*AN=78JP-111456
E4	1	AN=78JP-111458
E5	1	AN=78JP-111459
E6	1	AN=78JP-111460
E7	1	AN=78JP-111466
E8	1	AN=78JP-111470
E9	1	AN=78JP-111471
E10	1	AN=78JP-111472
E11	1	AN=78JP-111481
E12	1	AN=78JP-111484

Enter P or PAGE for more

?s e3
S1 1 AN="78JP-111456"
?t 1/5/1

1/5/1
DIALOG(R)File 350:Derwent World Pat.
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002513617 WPI Acc No: 80-31642C/18
XRAM Acc No: C80-C31642
3'-pyrophosphoric acid nucleotide cpds. - obtd. by reacting nucleoside and/or nucleotide with pyrophosphoric acid donor such as ATP; ADENOSINE TRI PHOSPHATE
Patent Assignee: (SAOC) SANRAKU OCEAN
Number of Patents: 001
Patent Family:

CC Number	Kind	Date	Week	
JP 55038324	A	800317	8018	(Basic)

Priority Data (CC No Date): JP 78111456 (780911)
Abstract (Basic): Pyrophosphoric acid type nucleotide cpd. of formula NmX pp (where N is such a structure that H or OH of hexose, riboflavin, choline or dihydronicotinic amide-riboside is linked to phosphoric acid at 5'-position of X, or that OH at 3'- or 5' position of nucleoside, nucleotide, dinucleotide or oligonucleotide or its methyl deriv. is linked to phosphoric acid at 5'-position of X, m is phosphoric acid radical linked at 5'-position of X, X is nucleoside or its methyl deriv. and pp is pyrophosphoric acid linked to 3'-position of X).
The cpd. is prepd. by reacting a cpd. of NmX with pyrophosphoric acid donor such as ATP, adenosine pentaphosphate, deoxyadenosine triphosphate, etc. in the presence of buffer soln. of pH 7-10, EDTA-sodium and divalent metal ion such as Mg or Co. with the use of nucleotide pyrophosphoric acid transferase at 30-45 degrees C. The cpd. is useful as accelerator for growth of cell of animal, anti-leukemia agent, etc.
File Segment: CPI
Derwent Class: B03; B02;
Int Pat Class: C07H-019/10; C12P-019/30